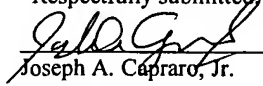


<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> (Only for new nonprovisional applications under 37 CFR 1.53(b))	Attorney Docket No.	ASX-015C4
	First Named Inventor	Smith
	Title	TOROIDAL LOW-FIELD REACTIVE GAS SOURCE

<b>APPLICATION ELEMENTS</b>		ADDRESS TO: Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450		17510 U.S. PTO 10/689165
1. <input checked="" type="checkbox"/> Fee Transmittal Form 2. <input type="checkbox"/> Small Entity Status <input type="checkbox"/> Applicant claims small entity status <input type="checkbox"/> Status established in prior application and is still proper and desired		<b>ACCOMPANYING APPLICATION PARTS</b>		
3. <input checked="" type="checkbox"/> Specification and Drawings [Total Pages 32] - Written Description - (18 pages) - Claims - (7 pages) - Abstract - (1 page) - Sheets of Drawings - (6 sheets) <input type="checkbox"/> Formal <input checked="" type="checkbox"/> Informal		8. <input type="checkbox"/> 37 CFR 3.73(b) Statement (when there is an assignee) <input type="checkbox"/> Power of Attorney		
4. <input checked="" type="checkbox"/> Oath or Declaration [Total Pages 5] a. <input type="checkbox"/> Newly executed (original) b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 17 completed) [Note Box 5 below]		9. <input type="checkbox"/> English Translation Document (if applicable) 10. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations		
5. <input checked="" type="checkbox"/> Incorporation by Reference (usable if Box 4b is checked) The entire Disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.		11. <input checked="" type="checkbox"/> Preliminary Amendment <input type="checkbox"/> Drawings [Total Sheets ]		
6. <input checked="" type="checkbox"/> Application Data Sheet		12. <input checked="" type="checkbox"/> Return Receipt Postcard (specifically itemized)		
7. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission <input type="checkbox"/> Computer Readable Form (CRF) <input type="checkbox"/> Paper Copy (identical to computer copy) <input type="checkbox"/> CD (2 copies) (identical to computer copy) <input type="checkbox"/> Statement verifying identity of above copies		13. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority claimed) 14. <input type="checkbox"/> Nonpublication Request Under 35 U.S.C. 122(b)		
15. <input type="checkbox"/> CD in duplicate for large table or computer program				
16. <input checked="" type="checkbox"/> Other: - Transmittal of Formal Drawings - Six (6) Sheets of Formal Drawings				
17. <input checked="" type="checkbox"/> If a CONTINUING APPLICATION: Amend the specification by inserting on page 1, before the first line, the sentence: --This application is a continuation U.S. Patent Application Serial No. 10/143,070, filed on May 10, 2002, which is a continuation of U.S. Patent Application Serial No. 09/659,881, filed on September 12, 2000, now U.S. Patent No. 6,486,431, which is a continuation of U.S. Patent Application Serial No. 08/883,281 filed on June 26, 1997, now U.S. Patent No. 6,150,628.--the entire disclosure of which is incorporated by reference herein.-- <b>Priority to the above application(s) is claimed under 35 U.S.C. 120.</b> Prior application information: Examiner: <u>M. Paschall</u> . Group/Art Unit: <u>3742</u> .				
18. <input type="checkbox"/> Priority - 35 U.S.C. 119 <input type="checkbox"/> Priority of application Serial No. _____ filed on _____ in _____ is claimed under 35 U.S.C. 119. <input type="checkbox"/> The certified copy has been filed in prior U.S. application Serial No. _____/_____ on _____. <input type="checkbox"/> The certified copy will follow.				
<b>CORRESPONDENCE ADDRESS</b>		<b>SIGNATURE BLOCK</b>		
Direct all correspondence to: Patent Administrator Testa, Hurwitz & Thibault, LLP High Street Tower 125 High Street Boston, MA 02110 Tel. No.: (617) 248-7000 Fax No.: (617) 248-7100 Customer No. 021323		Date: October 20, 2003 Reg. No. 36,471 Tel. No.: (617) 248-7369 Fax No.: (617) 248-7100 Respectfully submitted,  Joseph A. Capraro, Jr. Attorney for the Applicants Testa, Hurwitz & Thibault, LLP High Street Tower 125 High Street Boston, MA 02110		



102003

8351 U.S. PTO

**FEE TRANSMITTAL**  
**FY 2004**

Complete if Known

Application Serial Number	Not yet assigned.
Filing Date	Herewith
First Named Inventor	Smith
Group Art Unit	Not yet assigned.
Examiner Name	Not yet assigned.
Attorney Docket No.	ASX-015C4

**METHOD OF PAYMENT**

1. ☒ Payment Enclosed:  
☒ Check ☐ Money Order ☐ Other
2. ☒ The Commissioner is hereby authorized to credit or charge any fee indicated below for this submission to Deposit Account No. 20-0531.  
☐ Required Fees (copy of this sheet enclosed).  
☒ Additional fee required under 37 CFR 1.16 and 1.17.  
☒ Overpayment Credit.
3. ☐ Applicant claims small entity status.

**FEE CALCULATION****1. FILING FEE**

Large Entity Fee (\$)	Fee Description	Fee Paid
770	Utility filing fee	770.00
340	Design filing fee	
160	Provisional filing fee	

	Number Filed	Number Extra	Rate	Amount
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Total Claims	13	- 20 = 0	x \$ 18.00 =	0.00
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Independent Claims	3	- 3 = 0	x \$ 86.00 =	0.00
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<input type="checkbox"/> Multiple Dependent Claim(s), if any		\$290.00 =	0.00
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TOTAL: 770.00

SMALL ENTITY DISCOUNT: 0.00

SUBTOTAL (1) (\$) 770.00

**2. AMENDMENT CLAIM FEES**

Claims Remaining After Amend.	Highest No. Previously Paid For	Present Extra	Rate	Fee Paid
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Total	-	=	x \$ 18.00 =	
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Indep.	-	=	x \$ 86.00 =	
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<input type="checkbox"/> First Presentation of Multiple Dep. Claim		+ \$290.00 =	
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TOTAL: (\$)

SMALL ENTITY DISCOUNT: (\$)

SUBTOTAL (2) (\$) 0.00

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid
130	65	Surcharge - late filing fee or oath	
50	25	Surcharge - late provisional filing fee or cover sheet	
130	130	Non-English specification	
2,520	2,520	Request for ex parte reexamination	
110	55	Extension for reply within first month	
420	210	Extension for reply within second month	
950	475	Extension for reply within third month	
1480	740	Extension for reply within fourth month	
2010	1005	Extension for reply within fifth month	
330	165	Notice of Appeal	
330	165	Filing a brief in support of an appeal	
290	145	Request for oral hearing	
130	130	Petitions to the Commissioner	
180	180	Submission of Information Disclosure Statement	
770	385	Filing a submission after final rejection (37 CFR 1.129(a))	
770	385	For each additional invention to be examined (37 CFR 1.129(b))	
100	100	Certificate of Correction for applicant's error	
110	55	Submission of Terminal Disclaimer	
Other fee (Specify)			
Other fee (Specify)			

SUBTOTAL (3) (\$) 0.00

SUBTOTAL (1) 770.00

SUBTOTAL (2) 0.00

SUBTOTAL (3) 0.00

TOTAL (\$) 770.00

**CORRESPONDENCE ADDRESS**

Direct all correspondence to:

Patent Administrator  
 Testa, Hurwitz & Thibault, LLP  
 High Street Tower-125 High Street  
 Boston, MA 02110  
 Tel. No.: (617) 248-7000  
 Fax No.: (617) 248-7100

**SIGNATURE BLOCK**

Respectfully submitted,

Date: October 20, 2003  
 Reg. No.: 36,471  
 Tel. No.: (617) 248-7369  
 Fax No.: (617) 248-7100

*Joseph A. Capraro, Jr.*  
 Joseph A. Capraro, Jr.  
 Attorney for the Applicants  
 Testa, Hurwitz & Thibault, LLP  
 High Street Tower-125 High Street  
 Boston, MA 02110

**PATENT**

Attorney Docket No.: ASX-015C4

**Particulars of prior application:**

**Serial No.:** 10/143,070

**Filing Date:** May 10, 2002

**Examiner:** M. Paschall of Art Unit 3742

**Status:** Allowed

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANTS: Smith et al.  
SERIAL NO.: Not yet assigned. GROUP NO.: Not yet assigned.  
FILING DATE: Herewith EXAMINER: Not yet assigned.  
TITLE: TOROIDAL LOW-FIELD REACTIVE GAS SOURCE

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**TRANSMITTAL OF FORMAL DRAWINGS**

Sir:

Transmitted herewith for filing in the above-referenced patent application are six (6) sheets of formal drawings.

Respectfully submitted,

  
\_\_\_\_\_  
Joseph A. Capraro, Jr.

Attorney for the Applicants  
Testa, Hurwitz, & Thibeault, LLP  
High Street Tower  
125 High Street  
Boston, Massachusetts 02110

Date: October 20, 2003  
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